

WHAT IS CLAIMED IS:

1. A vacuum fluorescent display comprising:

an evacuated envelope surrounded by a pair of substrates and side glasses;

an electron emissive means for emitting electrons when a negative potential is applied; and

a display means, provided on one of the substrates in the evacuated envelope, having a positive potential applied thereto and displaying a predetermined image in response to the electrons emitted from the electron emissive means;

an electron control means for generating a repulsive electric field to allow acceleration of the electrons emitted from the electron emissive means in the direction of the display means.

2. The vacuum fluorescent display as recited in claim 1, wherein the electron control means is mounted on the other substrate.

3. The vacuum fluorescent display as recited in claim 1, wherein a negative potential is applied to the electron control means.

4. The vacuum fluorescent display as recited in claim 2, wherein a negative potential is applied to the electron control means.

5. The vacuum fluorescent display as recited in claim 3, wherein the electron control means is a plurality of grids which are shaped as a mesh.

6. The vacuum fluorescent display as recited in claim 3, wherein the electron control means is a layer of a transparent electrically conductive

Amended
C2 material.

7. The vacuum fluorescent display as recited in claim 6, wherein the transparent electrically conductive material is tin doped indium oxide (ITO).

8. The vacuum fluorescent display as recited in claim 1, further comprising:

control electrode means, located around the electron emissive means, for control of the trajectories of the electrons emitted from the electron emissive means.

9. The vacuum fluorescent display as recited in claim 8, wherein either a positive or negative potential is applied to the control electrode means.

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